

# CONDITION ASSESSMENT GROUP MEETING

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October 2009

## Site Presentation

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# Pantex Plant – Condition Assessment Status Update

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Pantex Plant, located 17 miles northeast of Amarillo, Texas, in Carson County, is charged with maintaining the safety, security and reliability of the nation's nuclear weapons stockpile. The facility is managed and operated by B&W Pantex for the U.S. Department of Energy/National Nuclear Security Administration.

## ❑ Infrastructure

Pantex covers approx. 16,000 acres (about 25 square miles). The DOE owns 10,380 acres and 1,077 acres of detached property, called Pantex Lake and leases approximately 5,800 acres from Texas Tech University, used primarily as a safety and security buffer. About 2,500 acres are utilized for Plant operations. Pantex consist of 644 buildings containing 3,089,051 square feet. This including specialized facilities called Cells and Bays in which maintenance, modification, disassembly and assembly operations are conducted. The site's FY09 replacement plant value is approx. \$4.0 billion excluding programmatic real property, mobile equipment, land owned by DOE, and land leased from Texas Tech University.



# Pantex Plant – Condition Assessment Status Update



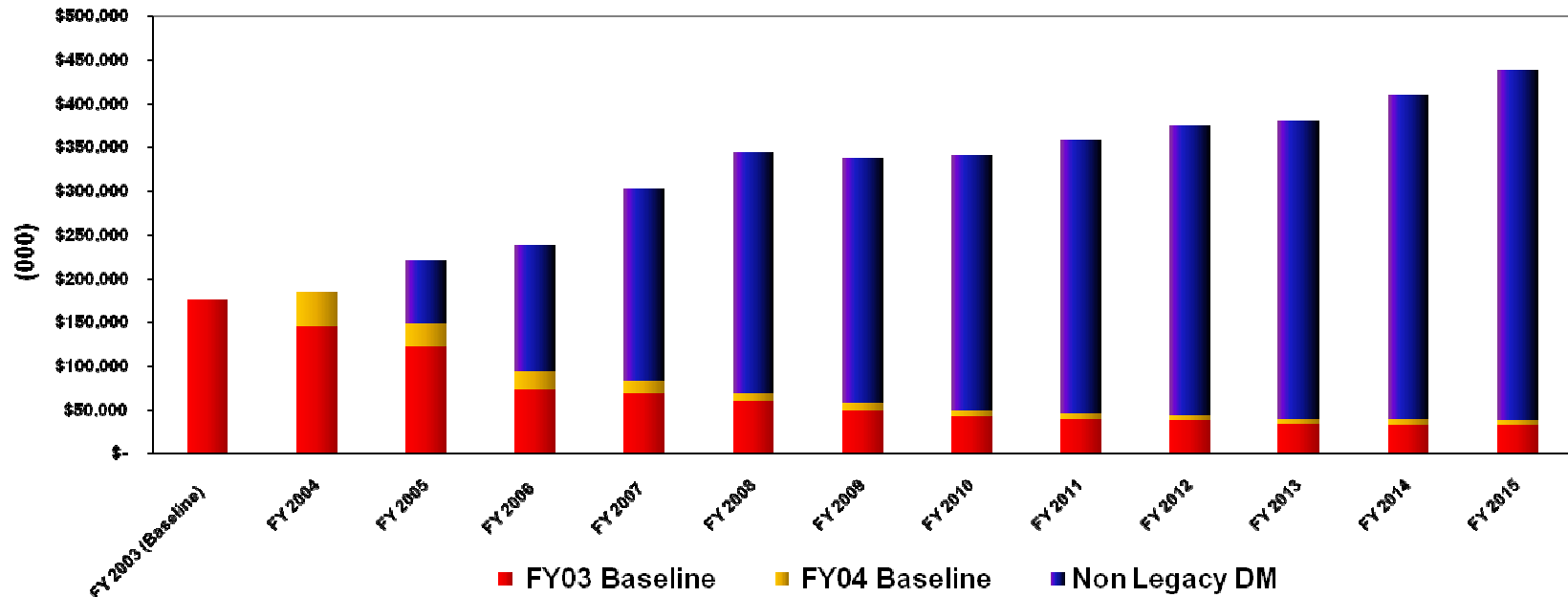
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- ❑ Due to budgets constraints, assets that were previously on a three-year CAS inspections rotation are being evaluated to ensure they are re-inspected at least every five years (per DOE 430.1B).
- ❑ **CAIS Database values as of 9/29/09**
  - 42,589 = Number of Inspection Units (IUs) being tracked in CAIS
  - \$150,058,185 = DM that has been completed
  - \$337,395,578 = Outstanding deferred maintenance (DM)
  - \$671,983,513 = Non-DM amount
  - \$1,009,379,091 = Total CAIS database value (DM and Non-DM)
- ❑ **FY09 DM Reduction**
  - ✓ \$609,097 – completed through in-house corrective maintenance (reviewed 4,284 Work Orders (WOs))
  - ✓ \$185,571 – Demolished
  - ✓ \$21,551,646 – Projects (\$18m by FIRP)



# Pantex Deferred Maintenance



- With the help of FIRP, Pantex has reduced FY03 baseline by \$127M (72%) from FY03 to FY09.
- Ops of Facilities funding is not adequate to arrest growth of backlog.
- Roughly half (49%) of total deferred maintenance is in Other Structures & Facilities (OSFs) (water & steam lines, security systems, fences, etc). Domestic water lines alone make up \$56M or 17% of the plant's total.
- FCI for MC is 2.8% (below Level II milestone of 5%).
- FCI for MDNC is 12.4% (will not meet Level II milestone of 8%).



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## ☐ Areas of Service

- ✓ Continue to provide CostWorks project estimates
- ✓ Continue to furnish detailed CAIS reports to Facility Managers and other requesting customers such as DOE regarding the condition of CAIS assets. CAIS reports play a big part in aiding Project Managers to develop deferred maintenance projects
- ✓ Perform the Facilities Information Management System (FIMS) annual DM upload from CAIS.
- ✓ Build customized CostWorks sustainment models for all facilities
- ✓ Perform regular CAIS data validations
- ✓ Update IU's to reflect completed deferred maintenance

## ☐ Future Needs

- ✓ Adequate funding to support CAS inspections
- ✓ CostWorks Portfolio models



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# Questions!

